

Appendix I: Alignment of SEQ ID NO: 17 (CRF, 10/20/2009) and I48378

<!--StartFragment-->RESULT 1
I48378
hairless protein - mouse
C;Species: Mus musculus (house mouse)
C;Date: 02-Jul-1996 #sequence_revision 02-Jul-1996 #text_change 09-Jul-2004
C;Accession: I48378
R;Cachon-Gonzalez, M.B.; Fenner, S.; Coffin, J.M.; Moran, C.; Best, S.; Stoye, J.P.
Proc. Natl. Acad. Sci. U.S.A. 91, 7717-7721, 1994
A;Title: Structure and expression of the hairless gene of mice.
A;Reference number: I48378; MUID:94329587; PMID:8052649
A;Accession: I48378
A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Molecule type: mRNA
A;Residues: 1-1182 <RES>
A;Cross-references: UNIPROT:Q61645; UNIPARC:UPI0000028C24; EMBL:Z32675; NID:g531706; P

Query Match 99.4%; Score 3682; DB 2; Length 1182;
Best Local Similarity 99.4%;
Matches 689; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy	1	VTQCQSCVQAAGEGVVLTHSQKSRRSPLEEKQLEEDSSATSEGGGGPGPEASLNKGL	60
Db	490	VTQCQSCVQAAGEGVVLTHSQKSRRSPLEEKQLEEDSSATSEGGGGPGPEASLNKGL	549
Qy	61	AKHLLSGLGDRCLCRLRKEREALAWAQREGQGPAMTEDSPGIPHCCSRCHHGLFNTHWRC	120
Db	550	AKHLLSGLGDRCLCRLRKEREALAWAQREGQGPAMTEDSPGIPHCCSRCHHGLFNTHWRC	609
Qy	121	SHCSHRLCVACGRIAGAGKNREKTGSQEQTDDCAQEAGAACSLILTQFVSSQALAEELS	180
Db	610	SHCSHRLCVACGRIAGAGKNREKTGSQEQTDDCAQEAGAACSLILTQFVSSQALAEELS	669
Qy	181	TVMHQAWAKFDIRGHCFQVDARWAPGDGGQQKEPTEKTPPTPQPSCNGDSNRTKDIKE	240
Db	670	TVMHQVWAKFDIRGHCFQVDARWAPGDGGQQKEPTEKTPPTPQPSCNGDSNRTKDIKE	729
Qy	241	ETPDSTESPAEDGAGRSPLPCPSLCELLASTAVKLCLGHDRIHMAFAPVTPALPSDDRIT	300
Db	730	ETPDSTESPAEDGAGRSPLPCPSLCELLASTAVKLCLGHDRIHMAFAPVTPALPSDDRIT	789
Qy	301	NILD\$IIAQVVERKIQEKALGPGLRAGSGLRKGLSPLSPVRTRLSPPGALLWLQEPRPK	360
Db	790	NILD\$IIAQVVERKIQEKALGPGLRAGSGLRKGLSPLSPVRTRLSPPGALLWLQEPRPK	849
Qy	361	HGFHLFQEHWQRQQPVLVSGIQKTLRLSLWGMEALGTLLGGVQSLTALGPPQPTNLDSTA	420
Db	850	HGFHLFQEHWQRQQPVLVSGIQKTLRLSLWGMEALGTLLGGVQSLTALGPPQPTNLDSTA	909
Qy	421	FWEGFSHPETRPLDEGSVLLHRTLGDKDASRVQNLVSSLPLPEYCAHQGKLNLASYLP	480
Db	910	FWEGFSHPETRPLDEGSVLLHRTLGDKDASRVQNLASSLPLPEYCAHQGKLNLASYLP	969
Qy	481	LGLTLHPLEPQLWAAYGVNSHRGHLGTKNLCVEVSDLISILVHAEAQLPPWYRAQKDFLS	540
Db	970	LGLTLHPLEPQLWAAYGVNSHRGHLGTKNLCVEVSDLISILVHAEAQLPPWYRAQKDFLS	1029
Qy	541	GLDGEGLWSPGSQTSTVWHVFRAQDAQRIRRFLQMVCAGAGTLEPGAPGSCYLDAGLRR	600
Db	1030	GLDGEGLWSPGSQTSTVWHVFRAQDAQRIRRFLQMVCAGAGTLEPGAPGSCYLDAGLRR	1089
Qy	601	RLREEWGVCWTLLQAPGEAVLVPAGAPHQVQGLVSTISVTQHFLSPETSALSAQLCHQG	660

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Db 1090 RLREEWGVSCWTLLQAPGEAVLVPAGAPHQVQGLVSTISVTQHFLSPETSALSAQLYHQG 1149
Qy 661 ASLPPDHRLYAQMDRAVFQAVKAAVGALQEAK 693
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1150 ASLPPDHRLYAQMDRAVFQAVKAAVGALQEAK 1182
<!--EndFragment-->